

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1319337

Luminaire Tested: LDSQA3D17R159835DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319337  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R159835DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

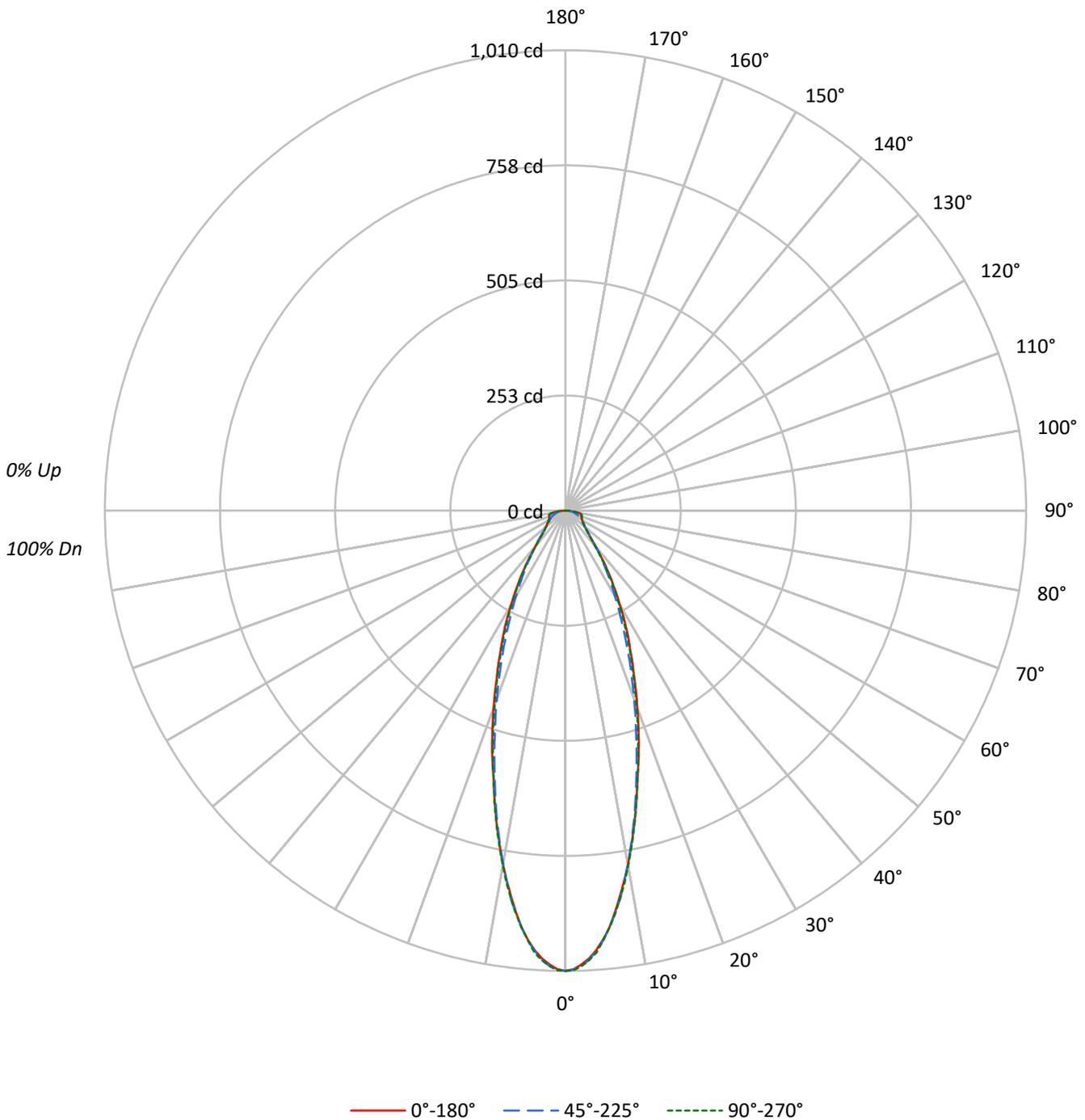
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 677.0 lumens  
Efficiency: N/A  
Efficacy: 33.2 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 20.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	82	82	82	80
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	74	74	74	73
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	63	63	63	61
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	59	59	59	57
7	78	68	61	56	77	67	60	56	66	60	56	64	59	55	63	58	55	55	55	55	53
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	52	52	52	50
9	71	60	54	49	70	60	53	49	59	53	49	58	53	49	57	52	49	49	49	49	47
10	68	57	51	47	67	57	51	47	56	50	46	55	50	46	54	49	46	46	46	46	45

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	173928	173928	173928
5°	163337	163562	163562
10°	137980	137560	138417
15°	108512	106979	108744
20°	84343	80513	83207
25°	63659	59231	62728
30°	47350	43194	46356
35°	33786	31474	33282
40°	22887	23179	22617
45°	17025	17926	17025
50°	14790	14790	14790
55°	14383	13632	14383
60°	14777	13537	14363
65°	16015	14018	16015
70°	19135	14200	19135
75°	24487	14706	24487
80°	30448	15869	29159
85°	24305	14623	26676

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 30448 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	85.2	12.6
10°-20°	168.4	24.9
20°-30°	148.8	22.0
30°-40°	97.8	14.4
40°-50°	57.1	8.4
50°-60°	42.1	6.2
60°-70°	35.9	5.3
70°-80°	29.5	4.4
80°-90°	12.3	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	402.4	59.4
0°-40°	500.1	73.9
0°-60°	599.3	88.5
0°-90°	677.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	677.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1010	1010	1010	1010	1010	
5°	945	945	946	947	946	85
15°	609	609	600	607	610	170
25°	335	324	312	320	330	155
35°	161	155	150	153	158	101
45°	70	71	74	71	70	56
55°	48	47	45	47	48	43
65°	39	36	34	36	39	39
75°	37	27	22	28	37	38
85°	12	14	7	12	14	14
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1009.9	1009.9	1009.9	1009.9	1009.9
1°	1006.2	1007.4	1007.4	1008.7	1008.7
2°	996.4	998.8	1000.1	1000.1	1000.1
3°	984.1	985.3	986.6	987.8	987.8
4°	966.9	968.2	968.2	970.6	971.8
5°	944.8	944.8	946.1	947.3	946.1
6°	919.1	919.1	920.3	920.3	920.3
7°	888.4	889.6	890.9	892.1	890.9
8°	855.3	856.5	860.2	860.2	858.9
9°	822.1	823.4	823.4	827.0	827.0
10°	789.0	789.0	786.6	789.0	791.5
12.5°	699.4	698.2	694.5	698.2	700.7
15°	608.6	608.6	600.0	607.4	609.9
17.5°	535.0	524.0	515.4	522.7	528.9
20°	460.2	449.1	439.3	446.7	454.0
22.5°	392.7	384.1	371.8	379.2	387.8
25°	335.0	323.9	311.7	320.3	330.1
27.5°	287.1	272.4	260.1	270.0	278.5
30°	238.1	228.2	217.2	224.6	233.1
32.5°	196.3	189.0	180.4	186.5	193.9
35°	160.7	154.6	149.7	153.4	158.3
37.5°	128.8	126.4	123.9	125.2	125.2
40°	101.8	103.1	103.1	103.1	100.6
42.5°	83.4	84.7	87.1	84.7	83.4
45°	69.9	71.2	73.6	71.2	69.9
47.5°	61.4	62.6	63.8	61.4	61.4
50°	55.2	55.2	55.2	55.2	55.2
52.5°	51.5	50.3	50.3	50.3	51.5
55°	47.9	46.6	45.4	46.6	47.9
57.5°	44.2	42.9	41.7	42.9	44.2
60°	42.9	40.5	39.3	40.5	41.7
62.5°	40.5	38.0	36.8	38.0	40.5
65°	39.3	35.6	34.4	35.6	39.3
67.5°	38.0	33.1	30.7	33.1	38.0
70°	38.0	30.7	28.2	31.9	38.0
72.5°	36.8	29.4	24.5	29.4	36.8
75°	36.8	27.0	22.1	28.2	36.8
77.5°	34.4	24.5	18.4	25.8	34.4
80°	30.7	22.1	16.0	23.3	29.4
82.5°	22.1	18.4	12.3	18.4	22.1
85°	12.3	13.5	7.4	12.3	13.5
87.5°	1.2	3.7	2.5	7.4	6.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)